



Fire Resistant Power Cable BS6387

Applications:	Fire performance cables maintain circuit integrity in a fire and so are suitable for fire detection, alarm and emergency lighting systems
Conductor:	Plain annealed stranded copper to BSEN60228 (class 1)
Fire barrier:	MGT (Mica glass tape)
Insulation:	XLPE (Cross linked polyethylene)
Core identification:	2 core: Brown & blue 3 core: Brown, black & grey 4 core: Brown, grey, blue & black Multicore: White cores with black numerals
Bedding:	LSZH (Low smoke zero halogen)
Armour/Protection:	SWA (Single wire armour)
Sheath/Jacket:	LSZH (Low smoke zero halogen)
Colour:	Black
Voltage:	600/1000v
Operating temperature:	Maximum 90°C, minimum bending: -0°C, min operating -25°C
Minimum Bending Radius:	6 x Overall Diameter for Circular Conductors 8 x Overall Diameter for Shaped Conductors
Standards:	BS6387, Categories C, W & Z, Specification for performance requirements for cables required to maintain circuit integrity under fire conditions IEC60331: Tests for electric cables under fire conditions - circuit integrity BS EN 61034:2005: Measurement of smoke density of cables burned under defined conditions. Test procedure and requirements BS6724: Electric cables. Thermosetting insulated, armoured cables for voltages of 600/1000V and 1900/3300V, having low emission of smoke and corrosive gases when affected by fire BS7846: Electric cables. 600/1000 V armoured fire-resistant cables having thermosetting insulation and low emission of smoke and corrosive gases when affected by fire BS EN 50266:2001: Common test methods for cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables Fire Resistance BS6387 Categories C, W & Z: IEC60331: 750 deg C for 3 hours Flame Propagation BS EN 50266 parts 1 and 3, IEC 60332-3, BS EN 60332:2004 Smoke Emission IEC 61034, BS EN 61034:2005 Corrosive Acid Gas BS EN 50267-2-1:1999, IEC 60754-1 Fire resistant to IEC 60331 1-2



No of cores	Size sq.mm	Insulation thickness mm	Diameter of armour wire mm	Approx. diameter under armour	Overall diameter	Weight Kg/km	Max conductor resistance at 20°C ohms/km	Current rating DC or single phase AC clipped direct amps	Current rating DC or single phase AC free air amps	Volt drop DC mV/A/m	Volt drop single phase AC mV/A/m	BATT part no.
2	1.5	0.6	0.9	10.4	12.4	420	12.1	27	29	31	31	57183
2	2.5	0.7	0.9	11.5	13.8	500	7.41	36	39	19	19	57184
2	4	0.7	0.9	12.6	17.2	580	4.61	49	52	12	12	57185
2	6	0.7	0.9	13.8	18.4	660	3.08	62	66	7.9	7.9	57186
2	10	0.7	0.9	15.7	20.5	830	1.83	85	90	4.7	4.7	57187
2	16	0.7	1.25	16.1	21.6	1000	1.15	110	115	2.9	2.9	57188
2	25	0.9	1.6	16.3	22.0	1100	0.727	146	152	1.85	1.9	57189
2	35	0.9	1.6	18.4	25.0	1550	0.524	180	188	1.35	1.35	57190
2	50	1.0	1.6	20.6	27.4	1850	0.387	219	228	0.98	1.0	57191
2	70	1.1	1.6	23.6	30.6	2450	0.268	279	291	0.67	0.69	57192
2	95	1.1	2.0	26.7	34.7	3350	0.193	338	354	0.49	0.52	57193
2	120	1.2	2.0	29.5	37.7	3900	0.153	392	410	0.39	0.42	57194
2	150	1.4	2.5	32.5	40.9	4650	0.124	451	472	0.31	0.35	57195
2	185	1.6	2.5	36.5	36.5	5950	0.0991	515	539	0.25	0.29	57196
2	240	1.7	2.5	40.6	50.6	7350	0.0754	607	636	0.195	0.24	57197

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2	300	1.8	2.5	44.9	55.1	8700	0.0601	698	732	0.155	0.21	57198
2	400	2.0	2.5	50.0	60.6	10750	0.0470	787	847	0.120	0.19	57199
3	1.5	0.6	0.9	10.9	15.5	426	12.1	23	25	25	27	57212
3	2.5	0.7	0.9	12.2	16.8	540	7.41	31	33	33	16	57213
3	4	0.7	0.9	13.4	18.0	640	4.61	42	44	44	10	57214
3	6	0.7	0.9	14.7	19.3	740	3.08	53	56	56	6.8	57215
3	10	0.7	1.25	16.7	22.2	1080	1.83	73	78	78	4.0	57216
3	16	0.7	1.25	17.2	22.9	1310	1.15	94	99	99	2.5	57217
3	25	0.9	1.6	20.6	27.2	1800	0.727	124	131	131	1.65	57218
3	35	0.9	1.6	22.9	29.7	2200	0.524	154	162	162	1.15	57219
3	50	1.0	1.6	23.4	30.2	2450	0.387	187	197	197	0.87	57220
3	70	1.1	2.0	26.9	33.9	3200	0.268	238	251	251	0.60	57221
3	95	1.1	2.0	30.5	38.7	4450	0.193	289	304	304	0.45	57222
3	120	1.2	2.0	33.7	42.1	5300	0.153	335	353	353	0.37	57223
3	150	1.4	2.5	37.6	47.2	6700	0.124	386	406	406	0.30	57224
3	185	1.6	2.5	41.7	51.5	8080	0.0991	441	463	463	0.26	57225
3	240	1.7	2.5	46.6	56.8	9950	0.0754	520	546	546	0.21	57226
3	300	1.8	2.5	51.5	61.9	12050	0.0601	599	628	628	0.185	57227
3	400	2.0	2.5	57.5	68.3	14800	0.0470	673	728	728	0.165	57228
4	1.5	0.6	0.9	11.9	16.5	520	12.1	23	25	25	27	57200
4	2.5	0.7	0.9	13.4	18.0	620	7.41	31	33	33	16	57201
4	4	0.7	0.9	14.8	19.4	730	4.61	42	44	44	10	57202
4	6	0.7	0.9	16.2	21.7	990	3.08	53	56	56	6.8	57203
4	10	0.7	1.25	18.6	24.1	1260	1.83	73	78	78	4.0	57204
4	16	0.7	1.25	19.1	24.8	1640	1.15	94	99	99	2.5	57205
4	25	0.9	1.6	22.9	29.5	2150	0.727	124	131	131	1.65	57236
4	35	0.9	1.6	25.5	32.3	2650	0.524	154	162	162	1.15	57230
4	50	1.0	1.6	26.9	33.9	3100	0.387	187	197	197	0.87	57237
4	70	1.1	2.0	31.4	39.6	4400	0.268	238	251	251	0.60	57243
4	95	1.1	2.0	35.2	43.6	5650	0.193	289	304	304	0.45	57231
4	120	1.2	2.5	39.4	49.0	7250	0.153	335	353	353	0.37	57232
4	150	1.4	2.5	43.5	53.3	8550	0.124	386	406	406	0.30	57233
4	185	1.6	2.5	48.3	58.8	10300	0.0991	441	463	463	0.26	57234
4	240	1.7	2.5	54.5	64.9	12900	0.0754	520	546	546	0.21	57254
4	300	1.8	2.5	59.9	70.7	15550	0.0601	599	628	628	0.185	57235
4	400	2.0	3.15	67.3	80.0	20250	0.0470	673	728	728	0.165	57253
5	1.5	0.6	0.9	-	11.0	240	12.10	17	18	31	31	57247
5	2.5	0.7	0.9	-	12.0	300	7.41	23	24	19	19	57248
5	4	0.7	0.9	-	13.0	360	4.61	31	33	12	12	57249
5	6	0.7	0.9	-	14.0	440	3.08	39	42	7.90	7.90	57250
5	10	0.7	0.9	-	16.0	580	1.83	54	58	4.70	4.70	57331
5	16	0.7	0.9	-	19.0	860	1.15	70	74	2.90	2.90	57329
5	25	0.9	1.25	-	22.0	1050	0.727	93	98	1.85	1.90	57330
7	1.5	0.6	0.9	-	16.2	520	12.1	14	16	31	31	57130
7	2.5	0.7	0.9	-	18.0	650	7.41	20	21	19	19	57142
12	1.5	0.6	0.9	-	20.9	860	12.1	11	12	31	31	57106
12	2.5	0.7	0.9	-	24.4	1130	7.41	15	16	19	19	57143
19	1.5	0.6	0.9	-	24.1	1130	12.1	10	11	31	31	57145
19	2.5	0.7	0.9	-	29.2	1710	7.41	13	14	19	19	57144

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